

Mobilgrease XTC helps mining company extend re-greasing intervals and improve operational efficiency*



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Feeding mill pumps - Falk gear couplings | Minera Peñasquito, S.A. de C.V. | Mazapil, Zacatecas, México

Situation

Minera Peñasquito S.A. de C.V. operates a network of four mill feed pumps equipped with Falk gear couplings - models 1070 G20 and 1140T10C. The coupling units work at 253 RPM in temperatures ranging from 90°F (32°C) to 97°F (36°C). Rigorous operating conditions and demanding production schedules required significant maintenance downtime, as the company was forced to re-lubricate every 720 hours. Frequent re-greasing intervals with the competitive grease have inflated the labor and disposal expenses associated with the couplings. The company approached Aceites Lubricantes de Chihuahua, S.A. de C.V. (ALCHISA), an authorized ExxonMobil distributor, to determine an alternative solution capable of enhancing equipment protection and extending re-greasing intervals.

Benefit

Mobilgrease XTC coupling grease has helped this mining company extend re-greasing intervals on its gear couplings, which has helped generate a company-estimated savings of US \$625,000 through reduced maintenance intervention and unscheduled downtime.

Impact

After 10 months in service, **Mobilgrease XTC** coupling grease has helped maintain outstanding equipment performance despite extreme conditions. Maintenance personnel reported the coupling in excellent condition even after successfully extending re-greasing intervals from just 720 hours to 2,160 hours. The company has also helped limit employee-equipment interaction, and reduce used grease generation associated with frequent re-greasing.

\$625,000
In company-estimated savings

Recommendation

ALCHISA engineers recommended transitioning to **Mobilgrease XTC™** coupling grease. Formulated with a high viscosity base oil and heavy duty additive package, **Mobilgrease XTC** is scientifically engineered to provide low bleed as well as high temperature stability - properties critical to coupling lubrication and protection.

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*This Proof of Performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

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